

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("20050224781").PN.	DERWENT	OR	OFF	2006/05/16 14:43
L2	4	("1022825").PN.	DERWENT	OR	OFF	2006/05/16 15:11
L3	1	("1022825").PN.	EPO	OR	OFF	2006/05/16 14:44
L4	1	("6377597").PN.	USPAT	OR	OFF	2006/05/16 15:11
L8	23	"6121634" or "6597017" or "20020001864"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 15:18
L9	6	"893610".ap.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 15:18
L10	28	"6121634" or "6597017" or "6741623"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 15:18
L11	12	10 and (undoped non-doped nondoped not adj doped)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 15:19
L12	2	10 and (undoped non-doped nondoped not adj doped) with (spacer adjacent)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 15:20
L13	8	10 and (undoped non-doped nondoped not adj doped) and (spacer adjacent)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 15:22
L14	6	13 not 12	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 15:20
L15	0	10 and (undoped non-doped nondoped not adj doped) near (clad cladding)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 15:23

## EAST Search History

L16	7	10 and (undoped non-doped nondoped not adj doped) with (clad cladding)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 15:23
L17	3043	(undoped non-doped nondoped not adj doped) with (clad cladding)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 15:23
L18	1	(US-20050224781-\$).did.	US-PGPUB	OR	OFF	2006/05/16 15:55
L19	1	18 and spacer with thick\$4	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 15:55
L20	1	("20050224781").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/16 16:08
L21	11	L20 and waveguide and carrier adj confinement	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 16:08
L22	37	Kneissl.in. and cladding and algan and ingan and (multiple-quantum adj well multiple adj quantum adj well mqw) and (nm nanometer angstrom)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 16:08
L23	30	L22 and @pd<"20041231"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 16:08
L24	94	Kneissl-M\$.in.	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 16:08
L25	48	(Treat-D\$ or Kneissl-M\$).in. and (GaN InGaN InGaAlN GaAIN AlGaN InAlGaN GaAlInN) same active	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 16:08
L26	26	(Treat-D\$ or Kneissl-M\$).in. and (GaN InGaN InGaAlN GaAIN AlGaN InAlGaN GaAlInN) same active and (undoped "not doped" intentionally adj doped)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 16:08

## EAST Search History

L27	28	Si-doped with undoped with barrier with active	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 16:08
L28	1	("5620907").PN:	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/16 16:08
L29	2	undoped near3 spacer with active with (GaN InGaN InGaAIN GaAIN AlGaN InAlGaN GaAlInN)	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 16:08
L30	2	"826304".ap.	US-PGPUB; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/16 16:08
L31	1	("20050224781").PN.	DERWENT	OR	OFF	2006/05/16 16:08
L32	4	((("6121634") or ("6563850") or ("20030132440") or ("6377597"))).PN.	US-PGPUB; USPAT	OR	OFF	2006/05/16 16:08
L33	3	L32 and (GaN InGaN InGaAIN GaAIN AlGaN InAlGaN GaAlInN) same active	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 16:08
L34	1	L32 not L33	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 16:08
L35	9	(US-20020001864-\$ or US-20040051107-\$ or US-20050224781-\$ or US-20030231679-\$).did. or (US-6121634-\$ or US-6597017-\$ or US-6563850-\$ or US-6303405-\$ or US-6136623-\$ or US-6252261-\$).did.	US-PGPUB; USPAT	OR	OFF	2006/05/16 16:08
L36	5	L35 and concentration	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 16:08
L37	3	((("6,072,819") or ("6,118,801") or ("6,389,051"))).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/16 16:08

## EAST Search History

L38	3	L37 and (GaN InGaN InGaAIN GaAIN AlGaN InAlGaN GaAlInN) same active	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 16:08
L39	1	L37 and (GaN InGaN InGaAIN GaAIN AlGaN InAlGaN GaAlInN) same active and transition	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 16:08
L40	3	L37 and (GaN InGaN InGaAIN GaAIN AlGaN InAlGaN GaAlInN) same active and undoped	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 16:08
L41	2110	(257/79,101,104).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/16 16:08
L42	3122	(257/79,103).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/16 16:08
L43	1201	257/14	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 16:08
L44	3054	L41 or L43	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 16:08
L45	4474	L41 L42 L43	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 16:08
L46	0	(("6121634") or ("6563850") or ("20030132440") or ("6377597")). PN.	EPO	OR	OFF	2006/05/16 16:08
L47	4	((("6121634") or ("6563850") or ("20030132440") or ("6377597")). PN.	DERWENT	OR	OFF	2006/05/16 16:08
L48	2	EP-908988-\$.did.	EPO; DERWENT	OR	OFF	2006/05/16 16:08
L49	6	(US-4679199-\$ ep-847117-\$ ep-661782-\$ ep-802442-\$ wo-9713303-\$ jp-04350988-\$).did.	DERWENT; IBM_TDB	OR	OFF	2006/05/16 16:08

## EAST Search History

L50	6	(US-4679199-\$ US-6185237-\$ US-5636236-\$ ep-802442-\$ US-6373874-\$ jp-04350988-\$).did.	USPAT; EPO; JPO	OR	OFF	2006/05/16 16:08
L51	0	L50 and (intrinsic undoped not adj doped) near3 spacer	USPAT; EPO; JPO	OR	OFF	2006/05/16 16:08
L52	4	L50 and (intrinsic undoped not adj doped)	USPAT; EPO; JPO	OR	OFF	2006/05/16 16:08
L53	74	barrier near3 "6" and laser adj diode	USPAT; EPO; JPO	OR	OFF	2006/05/16 16:08
L54	33	L53 and (intrinsic undoped not adj doped)	USPAT; EPO; JPO	OR	OFF	2006/05/16 16:08
L55	25	barrier near3 "6" with active and laser adj diode	USPAT; EPO; JPO	OR	OFF	2006/05/16 16:08
L56	17	L55 and (intrinsic undoped not adj doped)	USPAT; EPO; JPO	OR	OFF	2006/05/16 16:08
L57	106	barrier with (nm nanometer angstrom) with active and laser adj diode and concentration	USPAT; EPO; JPO	OR	OFF	2006/05/16 16:08
L58	65	L57 and (intrinsic undoped not adj doped)	USPAT; EPO; JPO	OR	OFF	2006/05/16 16:08
L59	56	L58 and (multiple mqw)	USPAT; EPO; JPO	OR	OFF	2006/05/16 16:08
L60	4	"6383829"	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 16:08
L61	25	barrier near3 "6" with active and laser adj diode	USPAT; EPO; JPO	OR	OFF	2006/05/16 16:08
L62	64	barrier with thickness with active same undoped and laser adj diode	USPAT; EPO; JPO	OR	OFF	2006/05/16 16:08
L63	125	barrier with thickness with active same undoped and laser adj diode	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/05/16 16:08
L64	79	L63 not (L55 or "52")	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2006/05/16 16:08
L65	4	(US-20020001864-\$).did. or (US-6121634-\$ or US-6597017-\$).did. or (EP-908988-\$).did.	US-PGPUB; USPAT; DERWENT	OR	OFF	2006/05/16 16:08
L66	4	L65 and barrier	US-PGPUB; USPAT; EPO; DERWENT; IBM_TDB	OR	OFF	2006/05/16 16:08

## EAST Search History

L67	1	("6563850").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/16 16:08
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